

[a phosphor] fluorescent members at the inner side of said face plate, [within said face plate] above the electron-emitting device, wherein said [phosphor] fluorescent members emit[s] light by a stimulation of the electrons emitted from said electron emitting device[.]; and

wherein a plurality of said electron-emitting device is mounted on a single plane.

94. (Amended) A display device comprising:

an electron-emitting device, comprising a laminate having an insulating layer and a layer of an electron-emitting material disposed between opposing electrodes on a planar substrate, wherein said electron-emitting material is spaced apart from said electrode, wherein a first portion of said electron emitting material is disposed between said opposing electrodes wherein a second portion of said electron emitting material is disposed between one of said electrodes and said planar substrate, and wherein electrons are emitted by applying a voltage to said electrodes; [and]

[a phosphor] fluorescent members located at the inner side of a face plate disposed above the electron-emitting device, wherein said [phosphor] fluorescent members emit[s] light by a stimulation of the electrons emitted from said electron-emitting device[.]; and

wherein a plurality of said electron-emitting device is mounted on a single place.

95. (Amended) A display device comprising:  
an electron-emitting device, comprising a laminate comprising an insulating layer having an electron-emitting material in a dispersed state and disposed between opposing electrodes on a planar substrate, wherein a first portion of said electron emitting material is disposed between said opposing electrodes wherein a second portion of said electron emitting material is disposed between one of said electrodes and said planar substrate, and wherein electrons are emitted by applying a voltage between said electrodes; [and]

[a phosphor] fluorescent members located at the inner side of a face plate disposed above the electron-emitting device, wherein said [phosphor] fluorescent members emit[s] light by a stimulation of the electrons emitted from said electron-emitting device[.] ; and

wherein a plurality of said electron-emitting device is mounted on a single plane.

96. (Amended) A display device comprising:  
an electron-emitting device, comprising opposing electrodes, an insulating layer having a layer of an electron-emitting material between said electrode layer and

being disposed on a planar substrate, wherein said an electron-emitting material is spaced apart from said electrodes, wherein a first portion of said electron emitting-material is disposed between said opposing electrodes, wherein a second portion of said electron-emitting material is disposed between one of said electrodes and said planar substrate, and wherein electrons are emitted by applying a voltage to said electrodes; and

[a phosphor,] fluorescent members located at the inner side of a face plate disposed above the electron-emitting device, wherein said [phosphor] fluorescent members emit[s] light by a stimulation of the electrons emitted from said electron-emitting device.

97. (Amended) A display device comprising:  
an electron-emitting device, comprising opposing electrodes, an insulating layer containing an electron-emitting material being disposed between said electrodes in a dispersed state on a planar substrate; wherein said an electron-emitting material is spaced apart from said electrodes, wherein a first portion of said electron emitting-material is disposed between said opposing electrodes, wherein a second portion of said electron-emitting material is disposed between one of said electrodes and said planar substrate, and wherein electrons are emitted by applying a voltage to said electrodes; and

[a phosphor,] fluorescent members located at the inner side of a face plate disposed above the electron-emitting device wherein said [phosphor] fluorescent members emit[s] light by a stimulation of the electrons emitted from said electron-emitting device[.] ; and

wherein a plurality of said electron-emitting device is mounted on a single plane.

98. (Amended) A display device comprising:

an electron-emitting device, comprising an insulating layer is disposed between opposing electrodes on a planar substrate, and having fine particles arranged within said insulating layer in a dispersed state; wherein electrons are emitted by applying a voltage to said electrodes; [and]

[a phosphor,] fluorescent members located at the inner side of a face plate disposed above the electron-emitting device wherein said [phosphor] fluorescent members emit[s] light by a stimulation of the electrons emitted from said electron-emitting device[.]; and

wherein a plurality of said electron-emitting device is mounted on a single plane.

105. (Amended) A display device comprising:

an electron-emitting device, comprising opposing electrodes formed on an insulating layer disposed on a planar substrate [and disposed between said opposing

electrodes], and fine particles being dispersed within said insulating layer between said electrodes; [and]

[a phosphor,] fluorescent members located at the inner side of a face plate disposed above the electron-emitting device, wherein said [phosphor] fluorescent members emit[s] light by a stimulation of the electrons emitted from said electron-emitting device[.]; and

wherein a plurality of said electron-emitting device is mounted on a single plane.

111. (Amended) A display device comprising:

an electron-emitting device, comprising opposing electrodes having a predetermined spacing disposed on a planar substrate, with at least two kinds of fine particles of materials having different conductivities disposed between said predetermined spacing, wherein electrons are emitted by applying a voltage to said electrodes; and

[a phosphor,] fluorescent members located at the inner side of a face plate disposed above the electron-emitting device, wherein said [phosphor] fluorescent member emit[s] light by a stimulation of the electrons emitted from said electron-emitting device.

117. (Amended) A display device comprising:

an electron-emitting device, comprising a semiconductor formed between opposing electrodes and wherein fine particles are dispersed within said semiconductor or on said semiconductor; and

[a phosphor,] fluorescent members located at the inner side of a face plate above the electron-emitting device, wherein said [phosphor] fluorescent member emit[s] light by a stimulation of the electrons emitted from said electron-emitting device.

Claim 118, line 3, delete "layer".

Claim 119, line 19, delete "layer".

124. (Amended) The display device of claim 117, having the device structure in which the electrodes are formed on a substrate, the semiconductor [layer] is formed between said electrodes, and the fine particles are arranged inside [the layer] or [or the layer of] on said semiconductor in a dispersed state.

155. (Amended) A display device comprising:  
a face plate,  
an electron-emitting device, comprising  
opposing electrodes disposed on a planar insulating substrate, and fine particles being dispersed between said

opposing electrodes and being partly included into said planar insulating substrate, wherein electrons are emitted by applying a voltage to said electrodes; and

[a phosphor] fluorescent members located at the inner side of said face plate [within said face plate] above the electron-emitting device, wherein said [phosphor] fluorescent members emit[s] light by a stimulation of the electrons emitted from said electron-emitting device.

Please add the following claims:

--156. A display device comprising:

an electron-emitting device, comprising an insulating layer is disposed between opposing electrodes on a planar substrate, and having fine particles arranged within said insulating layer in a dispersed state; wherein electrons are emitted by applying a voltage to said electrodes; and

fluorescent members located at the inner face of a face plate disposed above the electron-emitting device, wherein said fluorescent members emit light by a stimulation of the electrons emitted from said electron-emitting device; and

any of said fine particles is partly included into and partly exposed from said insulating layer.

157. The display device of claim 156, wherein said fine particles are composed of a substance selected from the

group consisting of borides, carbides, nitrites, metals, metal oxides, semiconductors and carbon.

158. The display device of claim 156, wherein said fine particles are dispersed between the electrodes by coating.

159. The display device of claim 156, wherein said fine particles are dispersed between the electrodes by vacuum deposition.

160. The display device of claim 156, wherein said fine particles are dispersed between the electrodes by thermal decomposition of an organic metal compound.

161. The display device of claim 156, wherein said fine particles are composed of a material selected from the group consisting of borides, carbides, nitrites, metals, metal oxides, semiconductors and carbon.

162. The display device of claim 156, wherein said fine particles comprise at least two kinds of different materials.



163. The display device of claim 162, wherein said different materials comprise material having different conductivities.

164. The display device of claim 156, wherein said fine particles are composed of a material selected from the group consisting Nb, Mo, Rh, Hf, Ta, W, Re, Ir, Pt, Ti, Au, Ag, Cu, Ci, Al, Co, Ni, Fe, Pb, Pd, Cs and Ba.

165. The display device of claim 161, wherein said material comprises a metal oxide selected from the group consisting of  $\text{In}_2\text{O}_3$ ,  $\text{SmO}_2$ ,  $\text{BaO}$ ,  $\text{MgO}$  and  $\text{Sb}_2\text{O}_3$ .

166. The display device of claim 156, wherein said fine particles comprise Pd or  $\text{SnO}_2$ .

167. The display device of claim 156, comprising a substrate comprising a porous glass in which a metal or a metal oxide is deposited.

168. The display device of claim 156, comprising a colored glass containing metal colloid fine particles.

169. A display device comprising:  
an electron-emitting device, comprising opposing electrodes formed on an insulating layer disposed on a planar

substrate and disposed between said opposing electrodes, and fine particles being dispersed within said insulating layer between said electrodes; and

fluorescent members located at the inner side of a face plate disposed above the electron-emitting device, wherein said fluorescent members emit light by a stimulation of the electrons emitted from said electron-emitting device, and

said fine particles are so structured that any of said fine particles are partly included into and partly exposed from said insulating layer.

170. The display device of claim 169, wherein said insulating layer comprises a low-melting glass.

171. The display device of claim 169, wherein said insulating layer has a film thickness of from several ten angstroms to several ten microns.

172. The display device of claim 169, wherein said fine particles are composed of a material selected from the group consisting of borides, carbides, nitrides, metals, metal oxides, semiconductors and carbon.

173. The display device of claim 169, wherein said fine particles comprise at least two kinds of different materials.

174. The display device of claim 169, wherein said different materials comprise materials having different conductivities.

175. The display device of claim 169, wherein said fine particles are composed of a material selected from the group consisting of Nb, Mo, Rh, Hf, Ta, W, Re, In, Pt, Ti, Au, Ag, Cu, Cr, Al, Co, Ni, Fe, Pb, Pd, Cs and Ba.

176. The display device of claim 172, wherein said fine particles material comprises a metal oxide selected from the group consisting of  $\text{In}_2\text{O}_3$ ,  $\text{SnO}_2$ ,  $\text{BnO}$ ,  $\text{MgO}$  and  $\text{Sb}_2\text{O}_3$ .

177. The display device of claim 169, wherein said fine particles comprise Pd or  $\text{SnO}_2$ .

178. The display device of claim 101, wherein said fine particles comprise at least two kinds of different materials.

179. The display device of claim 178, wherein said different materials comprise materials having different conductivities.

180. The display device of claim 101, wherein said fine particles are selected from the group consisting of Nb, Mo, Rh, Hf, Ta, W, Re, Ir, Pt, Ti, Au, Ag, Cu, Cr, Rl, Co, Ni, Fe, Pb, Pd, Cs and Ba.

181. The display device of claim 101, wherein said fine particles comprise a metal oxide selected from the group consisting of  $\text{In}_2\text{O}_3$ ,  $\text{SnO}_2$ , BaO, MgO and  $\text{Sb}_2\text{O}_3$ .

182. The display device of claim 101, wherein said fine particles comprise particles of Pd or  $\text{SnO}_2$ .

183. The display device of claim 120, wherein said fine particles comprise at least two kinds of different materials.

184. The display device of claim 183, wherein said different material comprise materials having different conductivities.

185. The display device of claim 120, wherein said fine particles are selected from the group consisting of Nb,

Mo, Rh, Hf, Ta, W, Re, Pt, Ti, Au, Ag, Cu, Cr, Al, Co, Ni, Fe, Pb, Pd, Cs and Ba.

186. The display device of claim 120, wherein said fine particles comprise a metal oxide selected from the group consisting of  $\text{In}_2\text{O}_3$ ,  $\text{SnO}_2$ ,  $\text{BaO}$ ,  $\text{MgO}$  and  $\text{Sb}_2\text{O}_3$ .

187. The display device of claim 120, wherein said fine particles comprise Pd or  $\text{SnO}_2$ .

188. The display device of claim 105, wherein said fine particles are selected from the group consisting of borides, carbides, nitrides, metals, metal oxides, semiconductors and carbon.

189. The display device of claim 105, wherein said fine particles comprise at least two kinds of different materials.

190. The display device of claim 189, wherein said different materials comprise materials having different conductivities.

191. The display device of claim 105, wherein said fine particles are selected from the group consisting of Nb,

Mo, Rh, Hf, Ta, W, Re, Ir, Pt, Ti, Au, Ag, Cu, Cr, Al, Co, Ni, Fe, Pb, Pd, Cs and Ba.

192. The display device according to claim 188, wherein said fine particles comprise a metal oxide selected from the group consisting of  $\text{In}_2\text{O}_3$ ,  $\text{SnO}_2$ ,  $\text{BaO}$ ,  $\text{MgO}$  and  $\text{Sb}_2\text{O}_3$ .

193. The display device of claim 105, wherein said fine particles comprise Pd or  $\text{SnO}_2$ .

194. The display device of claim 105, wherein said fine particles are completely included into said insulating layer.

195. The display device of claim 105, wherein any of said particles are partly included into and partly exposed from said insulating layer.

196. The display device of claim 111, wherein said fine particles are selected from the group consisting of borides, carbides, nitrites, metals, metal oxides, semiconductors and carbon.

197. The display device of claim 196, wherein said fine particles comprise a metal oxide selected from the group consisting of  $\text{In}_2\text{O}_3$ ,  $\text{SnO}_2$ ,  $\text{BaO}$ ,  $\text{MgO}$  and  $\text{Sb}_2\text{O}_3$ .

198. The display device of claim 111, wherein said fine particles are selected from the group consisting of Nb, Mo, Rh, Hf, Ta, W, Re, Ir, Pt, Ti, Au, Ag, Cu, Cr, Al, Co, Ni, Fe, Pb, Pd, Cs and Ba.

199. The display device of claim 111, wherein said fine particles comprise Pd or  $\text{SnO}_2$ .

200. The display device of claim 155, wherein said fine particles are selected from the group consisting of borides, carbides, nitrites, metals, metal oxides, semiconductors and carbon.

201. The display device of claim 155, wherein said fine particles comprise at least two kinds of different materials.

202. The display device of claim 201, wherein said different materials comprise different materials having different conductivities.

203. The display device of claim 155, wherein said fine particles are selected from the group consisting of Nb, Mo, Rh, Hf, Ta, W, Re, Ir, Pt, Ti, Au, Ag, Cu, Cr, Al, Co, Ni, Fe, Pb, Pd, Cs and Ba.